

a. coating paramagnetic particles or beads with a first antibody directed against a second antibody or antibody fragment;

b. incubating the second antibody or antibody fragment with the cell mixture to bind the antibody or antibody fragment with the target cell, wherein the second antibody or antibody fragment is directed against a membrane structure specifically expressed on the target cell and not on a non-target cell in the cell mixture;

c. washing the cell mixture to remove unbound second antibody or antibody fragment;

d. mixing the coated paramagnetic particles with the washed cell mixture

e. incubating the mixture under gentle rotation at about 4°C until target cell-bead rosettes are formed; and

f. visually detecting the target cell-bead rosettes.

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